

# Contents

- Abe K → Vannier J  
 Allen JR: Suspension feeding in the brittle-star *Ophiotrix fragilis*: efficiency of particle retention and implications for the use of encounter-rate models 383  
 Alvarez-Borrego J → Pech-Pacheco JL  
 Andrew NL → Byrne M  
 Apostolidis AP → Mamuris Z
- Baker BJ → Bryan PJ  
 Ballment E → Uthicke S  
 Bauer RT, Holt GJ: Simultaneous hermaphroditism in the marine shrimp *Lysmata wurdemanni* (Caridea: Hippolytidae): an undescribed sexual system in the decapod Crustacea 223  
 Beninger PG, Larocque R: Gonopod tegumental glands: a new accessory sex gland in the Brachyura 435  
 Bentham<sup>†</sup> WN → Buck KR  
 Bentley AM → Bucklin A  
 Benzie JAH → Uthicke S  
 Benzie JAH, Williams ST: Phylogenetic relationships among giant clam species (Mollusca: Tridacnidae) determined by protein electrophoresis 123  
 Black R → Johnson MS  
 Bremer JRA, Stequert B, Robertson NW, Ely B: Genetic evidence for inter-oceanic subdivision of bigeye tuna (*Thunnus obesus*) populations 547  
 Brett PA → Byrne M  
 Brey T, Gutt J, Mackensen A, Starman A: Growth and productivity of the high Antarctic Bryozoan *Melicerita obliqua* 327  
 Bryan PJ, McClintock JB, Baker BJ: Population biology and antipredator defenses of the shallow-water Antarctic nudibranch *Tritoniella belli* 259  
 Buck KR, Bentham<sup>†</sup> WN: A novel symbiosis between a cyanobacterium, *Synechococcus* sp., an aplastidic protist, *Solenicola setigera*, and a diatom, *Leptocylindrus mediterraneus*, in the open ocean 349  
 Bucklin A, Bentley AM, Franzen SP: Distribution and relative abundance of *Pseudocalanus moultoni* and *P. newmani* (Copepoda: Calanoida) on Georges Bank using molecular identification of sibling species 97  
 Byrne M, Andrew NL, Worthington DG, Brett PA: Reproduction in the diadematoid sea urchin *Centrostephanus rodgersii* in contrasting habitats along the coast of New South Wales, Australia 305
- Camacho FT → Nagle DG  
 Casanova J-P, De Jong L, Faure E: Interrelationships of the two families constituting the Lophogastrida (Crustacea: Mysidacea) inferred from morphological and molecular data 59
- Cavanaugh CM → Robinson JJ  
 Chaparro OR → Videla JA  
 Cherel Y → Raclot T  
 Chicca M → Fontana F  
 Clark MR → Horn PL  
 Collins KJ → Smith IP  
 Concha II → Videla JA  
 Congiu L → Fontana F  
 Cooper AR, Morris S: Osmotic, ionic and haematological response of the Port Jackson shark *Heterodontus portusjacksoni* and the common stingaree *Trygonoptera testacea* upon exposure to diluted seawater 29
- Dauwe B → Stamhuis EJ  
 De Jong L → Casanova J-P  
 Dennison WC → Ralph PJ  
 Dittman DE, Ford SE, Haskin HH: Growth patterns in oysters, *Crassostrea virginica*, from different estuaries 461  
 Dunton KH → Herzka SZ  
 Dyrinda EA: Shell disease in the common shrimp *Crangon crangon*: variations within an enclosed estuarine system 445
- Eckelbarger KJ, Tyler PA, Langton RW: Gonadal morphology and gametogenesis in the sea pen *Pennatulaculeata* (Anthozoa: Pennatulacea) from the Gulf of Maine 677  
 Elser JJ → Pfeiler E  
 Ely B → Bremer JRA  
 Evans JP, Geffen AJ: Male characteristics, sperm traits, and reproductive success in winter-spawning Celtic Sea Atlantic herring, *Clupea harengus* 179
- Faure E → Casanova J-P  
 Felder DL → Strasser KM  
 Fiala-Medioni A → Robinson JJ  
 Fontana F, Tagliavini J, Congiu L, Lanfredi M, Chicca M, Laurente C, Rossi R: Karyotypic characterization of the great sturgeon, *Huso huso*, by multiple staining techniques and fluorescent in situ hybridization 495  
 Ford SE → Dittman DE  
 Franzen SP → Bucklin A  
 Freitag JF, Steeger H-U, Storz UC, Paul RJ: Sublethal impairment of respiratory control in plaice (*Pleuronectes platessa*) larvae induced by UV-B radiation, determined using a novel biocybernetical approach 1  
 Fry B → Vetter RD
- Gademann R → Ralph PJ  
 Galloway TF, Kjorsvik E, Kryvi H: Effect of temperature on viability and axial muscle development in embryos and yolk sac larvae of the Northeast Arctic cod (*Gadus morhua*): 559
- Gardner JPA, Palmer NL: Size-dependent, spatial and temporal genetic variation at a leucine aminopeptidase (LAP) locus among blue mussel (*Mytilus galloprovincialis*) populations along a salinity gradient 275  
 Geffen AJ → Evans JP  
 Gillanders BM, Kingsford MJ: Influence of habitat on abundance and size structure of a large temperate-reef fish, *Achoerodus viridis* (Pisces: Labridae) 503  
 Goodman-Lowe GD: Diet of the Hawaiian monk seal (*Monachus schauinslandi*) from the Northwestern Hawaiian islands during 1991 to 1994 535  
 Goulet TL → Shlesinger Y  
 Gray DR, Hodgson AN: Foraging and homing behaviour in the high-shore, crevice-dwelling limpet *Helcion pectunculus* (Prosobranchia: Patellidae) 283  
 Groscolas R → Raclot T  
 Guderley H → Tremblay R  
 Gutt J → Brey T
- Harriott VJ: Growth of the staghorn coral *Acropora formosa* at Houtman Abrolhos, Western Australia 319  
 Haskin HH → Dittman DE  
 Herzka SZ, Dunton KH: Light and carbon balance in the seagrass *Thalassia testudinum*: evaluation of current production models 711  
 Hirst AG, Lampitt RS: Towards a global model of in situ weight-specific growth in marine planktonic copepods 247  
 Hodgson AN → Gray DR  
 Holt GJ → Bauer RT  
 Hopcroft RR, Roff JC: Zooplankton growth rates: the influence of female size and resources on egg production of tropical marine copepods 79  
 Hopcroft RR, Roff JC: Zooplankton growth rates: the influence of size in nauplii of tropical marine copepods 87  
 Hopcroft RR, Roff JC, Webber MK, Witt JDS: Zooplankton growth rates: the influence of size and resources in tropical marine copepodites 67  
 Horn MH → Sturm EA  
 Horn PL, Tracey DM, Clark MR: Between-area differences in age and length at first maturity of the orange roughy *Hoplostethus atlanticus* 187
- Ikuta K → Vannier J  
 Inada T → Yamamura O
- Jensen AC → Smith IP  
 Johnson MS, Black R: Effects of isolation by distance and geographical discontinuity on genetic subdivision of *Littoraria cingulata* 295

- Kingsford MJ → Gillanders BM  
 Kjorsvik E → Galloway TF  
 Kokita T, Omori M: Early life history traits of the gold-eye rockfish, *Sebastes thompsoni*, in relation to successful utilization of drifting seaweed 579  
 Krug PJ: Poecilogony in an estuarine opisthobranch: planktotrophy, lecithotrophy, and mixed clutches in a population of the ascoglossan *Alderia modesta* 483  
 Kruger A, Schleyer MH: Sexual reproduction in the coral *Pocillopora verrucosa* (Cnidaria: Scleractinia) in KwaZulu-Natal, South Africa 703  
 Kryvi H → Galloway TF
- Lamare MD, Stewart BG: Mass spawning by the sea urchin *Evechinus chloroticus* (Echinodermata: Echinoidea) in a New Zealand fiord 135  
 Lampitt RS → Hirst AG  
 Lanfredi M → Fontana F  
 Langton RW → Eckelbarger KJ  
 Larned ST: Nitrogen-versus phosphorus-limited growth and sources of nutrients for coral reef macroalgae 409  
 Larocque R → Beninger PG  
 Laurente C → Fontana F  
 Lesser MP → Walker CW  
 Lindley VA → Pfeiler E  
 Lowry MB, Suthers IM: Home range, activity and distribution patterns of a temperate rocky-reef fish, *Cheilodactylus fuscus* 569  
 Loya Y → Shlesinger Y
- Mackensen A → Brey T  
 Mamuris Z, Apostolidis AP, Theodorou AJ, Triantaphyllidis C: Application of random amplified polymorphic DNA (RAPD) markers to evaluate intraspecific genetic variation in red mullet (*Mullus barbatus*) 171  
 McArthur VE: Post-settlement mortality of juvenile lagoonal cockles (*Cerastoderma glaucum*: Mollusca: Bivalvia) 117  
 McClintock JB → Bryan PJ  
 McCormick MI: Ontogeny of diet shifts by a microcarnivorous fish, *Cheilodactylus spectabilis*: relationship between feeding mechanics, microhabitat selection and growth 9  
 McMinn A → Sands M  
 Meidlinger K, Tyler PA, Peck LS: Reproductive patterns in the Antarctic brachiopod *Liothyrella uva* 153  
 Morris S → Cooper AR  
 Myrand B → Tremblay R
- Nagle DG, Camacho FT, Paul VJ: Dietary preferences of the opisthobranch mollusc *Stylocheilus longicauda* for secondary metabolites produced by the tropical cyanobacterium *Lyngbya majuscula* 267  
 Nakaoka M, Ohta S: Seasonal variation in reproduction and population structure of the bivalve *Limopsis tajimae* in the upper bathyal zone of Suruga Bay, Japan 471
- Nicol S → Sands M  
 Nilsson C → Odmark S
- Odmark S, Wulff A, Wängberg S-Å, Nilsson C, Sundbäck K: Effects of UVB radiation in a microbenthic community of a marine shallow-water sandy sediment 335  
 Ohta S → Nakaoka M  
 Omori M → Kokita T
- Palmer NL → Gardner JPA  
 Paul RJ → Freitag JF  
 Paul VJ → Nagle DG  
 Pech-Pacheco JL, Alvarez-Borrego J: Optical-digital system applied to the identification of five phytoplankton species 357  
 Peck LS → Meidlinger K  
 Pfeiler E, Lindley VA, Elser JJ: Elemental (C, N and P) analysis of metamorphosing bonefish (*Albula* sp.) leptocephali: relationship to catabolism of endogenous organic compounds, tissue remodeling, and feeding ecology 21  
 Polz MF → Robinson JJ  
 Prevedelli D, Zunarelli Vandini R: Effect of diet on reproductive characteristics of *Ophryotrocha labronica* (Polychaeta: Dorvilleidae) 163
- Raclot T, Groscolas R, Cherel Y: Fatty acid evidence for the importance of myctophid fishes in the diet of king penguins, *Aptenodytes patagonicus* 523  
 Ralph PJ, Gademann R, Dennison WC: In situ seagrass photosynthesis measured using a submersible, pulse-amplitude modulated fluorometer 367  
 Robertson NW → Bremer JRA  
 Robinson JJ, Polz MF, Fiala-Medioni A, Cavanaugh CM: Physiological and immunological evidence for two distinct  $C_1$ -utilizing pathways in *Bathymodiolus puteoserpentis* (Bivalvia: Mytilidae), a dual endosymbiotic mussel from the Mid-Atlantic Ridge 625  
 Roff JC → Hopcroft RR  
 Rossi R → Fontana F
- Sands M, Nicol S, McMinn A: Fluoride in Antarctic marine crustaceans 591  
 Schleyer MH → Kruger A  
 Shimazaki K → Yamamura O  
 Shlesinger Y, Goulet TL, Loya Y: Reproductive patterns of scleractinian corals in the northern Red Sea 691  
 Smith IP, Collins KJ, Jensen AC: Movement and activity patterns of the European lobster, *Homarus gammarus*, revealed by electromagnetic telemetry 611  
 Stamhuis EJ, Dauwe B, Videler JJ: How to bite the dust: morphology, motion pattern and function of the feeding appendages of the deposit-feeding thalassinid shrimp *Callinassa subterranea* 43  
 Starmans A → Brey T  
 Steeger H-U → Freitag JF  
 Stequert B → Bremer JRA
- Stewart BG → Lamare MD  
 Storz UC → Freitag JF  
 Strasser KM, Felder DL: Settlement cues in successive developmental stages of the ghost shrimps *Callichirus major* and *C. islagrande* (Crustacea: Decapoda: Thalassinidea) 599  
 Sturm EA, Horn MH: Food habits, gut morphology and pH, and assimilation efficiency of the zebraperch *Hermosilla azurea*, an herbivorous kyphosid fish of temperate marine waters 515  
 Suchman CL, Sullivan BK: Vulnerability of the copepod *Acartia tonsa* to predation by the scyphomedusa *Chrysaora quinquecirrha*: effect of prey size and behavior 237  
 Sullivan BK → Suchman CL  
 Sundbäck K → Odmark S  
 Suthers IM → Lowry MB  
 Suzuki T, Taniguchi A: Standing crops and vertical distribution of four groups of marine planktonic ciliates in relation to phytoplankton chlorophyll *a* 375
- Tagliavini J → Fontana F  
 Taniguchi A → Suzuki T  
 Theodorou AJ → Mamuris Z  
 Thiel M: Population biology of *Dyopodes monacanthus* (Crustacea: Amphipoda) on estuarine soft-bottoms: importance of extended parental care and pelagic movements 209  
 Thiel M: Reproductive biology of a deposit-feeding amphipod, *Casco bigelowi*, with extended parental care 107  
 Thompson RJ → Videla JA  
 Thorsen MS: Microbial activity, oxygen status and fermentation in the gut of the irregular sea urchin *Echinocardium cordatum* (Spatangoida: Echinodermata) 423  
 Tracey DM → Horn PL  
 Tremblay R, Myrand B, Guderley H: Temporal variation of lysosomal capacities in relation to susceptibility of mussels, *Mytilus edulis*, to summer mortality 641  
 Triantaphyllidis C → Mamuris Z  
 Tyler PA → Eckelbarger KJ  
 Tyler PA → Meidlinger K
- Uthicke S, Benzie JAH, Ballment E: Genetic structure of fissiparous populations of *Holothuria* (Halodeima) atra on the Great Barrier Reef 141
- Vannier J, Abe K, Ikuta K: Feeding in myodocopid ostracods: functional morphology and laboratory observations from videos 391  
 Vetter RD, Fry B: Sulfur contents and sulfur-isotope compositions of thiotrophic symbioses in bivalve molluscs and vestimentiferan worms 453  
 Videla JA, Chaparro OR, Thompson RJ, Concha II: Role of biochemical energy reserves in the metamorphosis and early juvenile development of the oyster *Ostrea chilensis* 635

Videler JJ → Stamhuis EJ

Walker CW, Lesser MP: Manipulation of food and photoperiod promotes out-of-season gametogenesis in the green sea urchin, *Strongylocentrotus droebachiensis*: implications for aquaculture 663

Wängberg S-Å → Odmark S

Webber MK → Hopcroft RR

Williams ST → Benzie JAH

Witt JDS → Hopcroft RR

Worthington DG → Byrne M

Wulff A → Odmark S

Yamaguchi K: Cementation vs mobility: development of a cemented byssus and flexible mobility in *Anomia chinensis* 651

Yamamura O, Inada T, Shimazaki K: Predation on *Euphausia pacifica* by demersal fishes: predation impact and influence of physical variability 195

Zunarelli Vandini R → Prevedelli D

**Corrigendum** 347